

THIRD EDITION



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Bennett

Bruner | Manzil | Mintz | Oza | Trout

Diagnostic Imaging

Nuclear Medicine



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DIAGNOSTIC IMAGING:

Nuclear Medicine, Third Edition

Expert Consult™ – Print & eBook

Paige Bennett, MD

Covering the entire spectrum of this diverse field, *Diagnostic Imaging: Nuclear Medicine*, 3rd edition, is an invaluable resource for nuclear medicine physicians, general radiologists, and trainees—anyone who requires an **easily accessible, highly visual reference** on today's rapidly changing field of nuclear medicine. Updated throughout, it addresses **the most appropriate nuclear medicine options available** to answer specific clinical questions within the framework of all imaging modalities, making this edition a useful learning tool, as well as a handy reference for daily practice.

- Reflects recent advances in the field with information on **new guidelines, new imaging protocols and equipment, and new radiotracers**—including new theranostic applications for neuroendocrine tumors and prostate cancer; emerging tracers for PET/CT for prostate cancer, carcinoid and neuroendocrine tumors, and updates on F-18 FDG PET/CT applications; updates on gastrointestinal scintigraphy applications, including GI motility and gallbladder dyskinesia; and updated protocols utilizing SPECT/CT for sentinel lymph node mapping, parathyroid adenomas, arthroplasty evaluation, pulmonary embolism, and more
- Details imaging and clinical aspects of **targeted nuclear medicine therapies (theranostics)**, in which 1 radioactive drug is used to diagnose disease, and a 2nd radioactive drug is used to deliver therapy to treat primary and metastatic tumors (e.g., thyroid cancer, prostate cancer, neuroendocrine tumors, etc.)
- Contains **new and updated chapters** on nuclear medicine therapy, including I-131 therapy for thyroid cancer, Lu-177 dotatate for SRS-positive tumors, Lu-177 PSMA therapy for prostate cancer, and alpha and beta emitter therapies for painful bone metastases
- Includes dedicated **pediatric nuclear medicine** chapters geared toward high-yield information for this subspecialty
- Features **new and correlative images (more than 1,500 high-quality images total)**, including images from emerging oncologic applications, updated protocols, pediatrics, and theranostics; CT, MR, and plain film images; and full-color drawings and illustrations
- Covers **the physics behind nuclear medicine** with safety considerations for patients, technologists, and radiologists
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